MISSOURI BOTANICAL GARDEN

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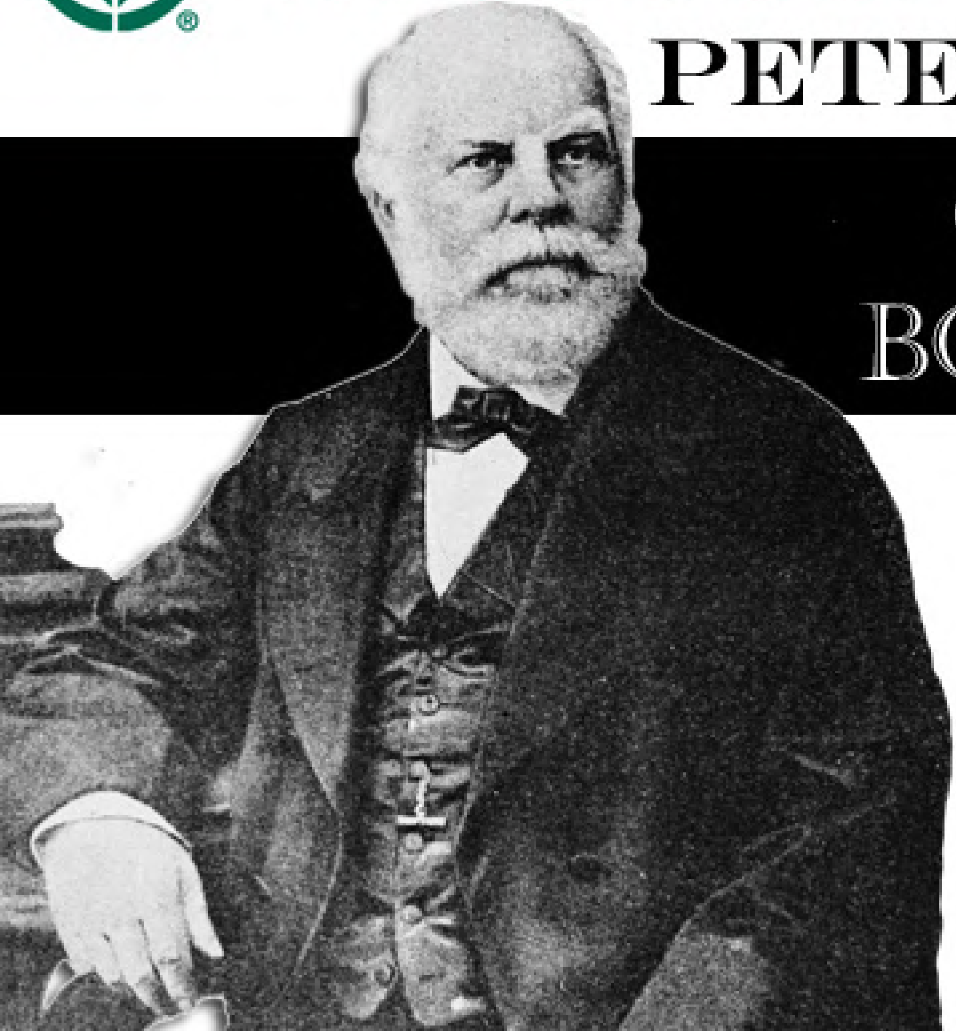
GEORGE ENGELMANN BOTANICAL NOTEBOOKS



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Paris March 1869

Mamillaria (Coryphantha)
acanthostephes

This, fide A Weber, is the same
as M. pycnacantha
elephantidens
sulcolanata & others

1201

size of spines & colour of flowers is
the only difference

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MISSOURI
BOTANICAL
GARDEN

I. Tuckermani

old spores adhering to root

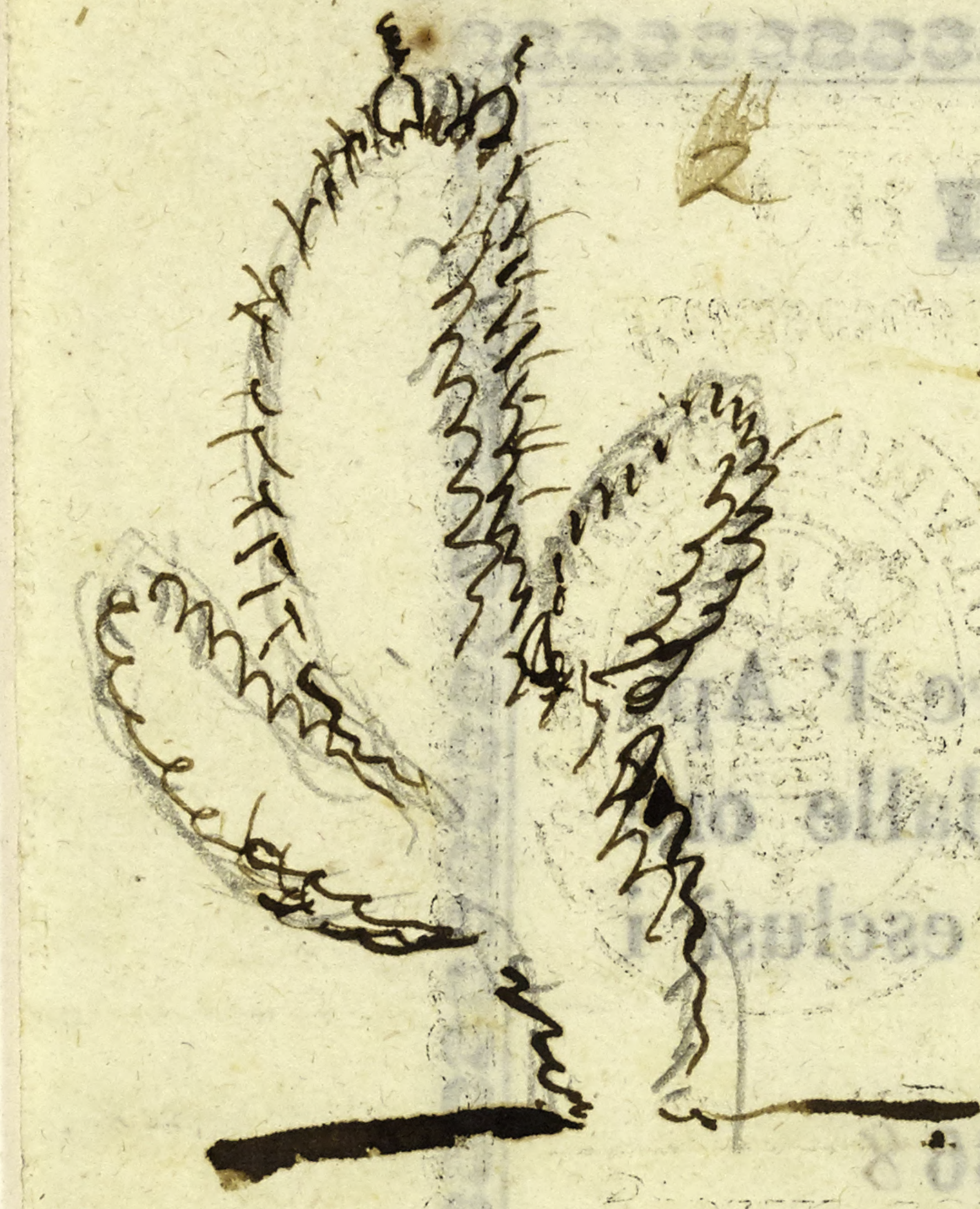
Mystic Pond

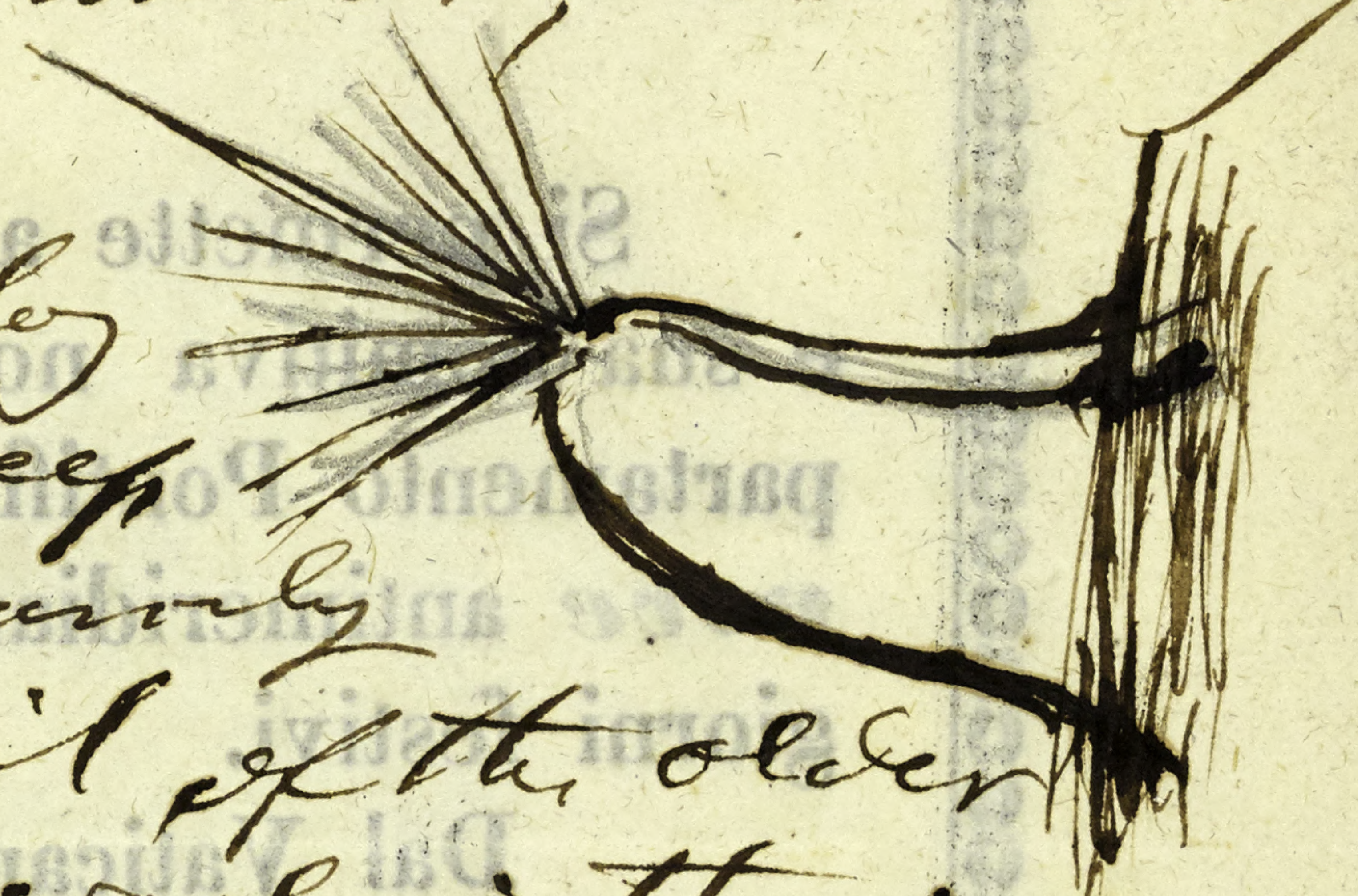
Wm Boott June 2 1867

Mamillaria (Coryphantha) Lehmanni

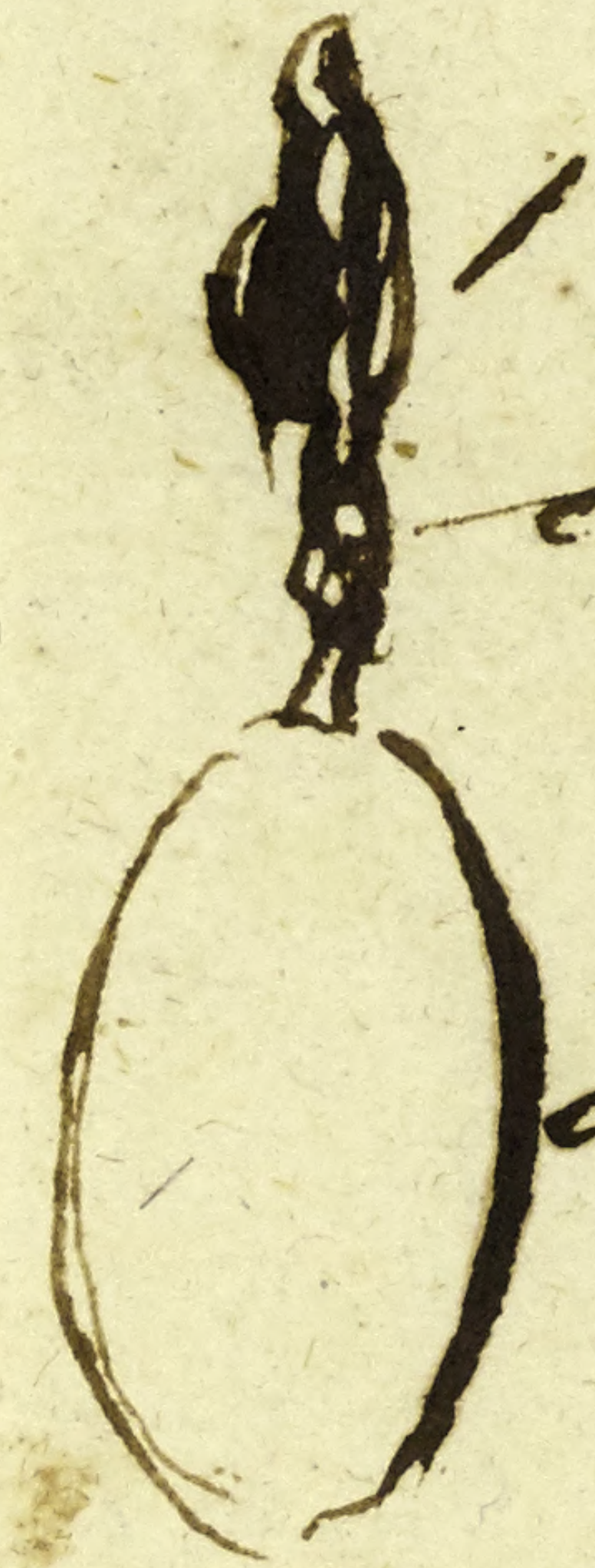
Greenhouses of the Quirinal Febr 5 1869

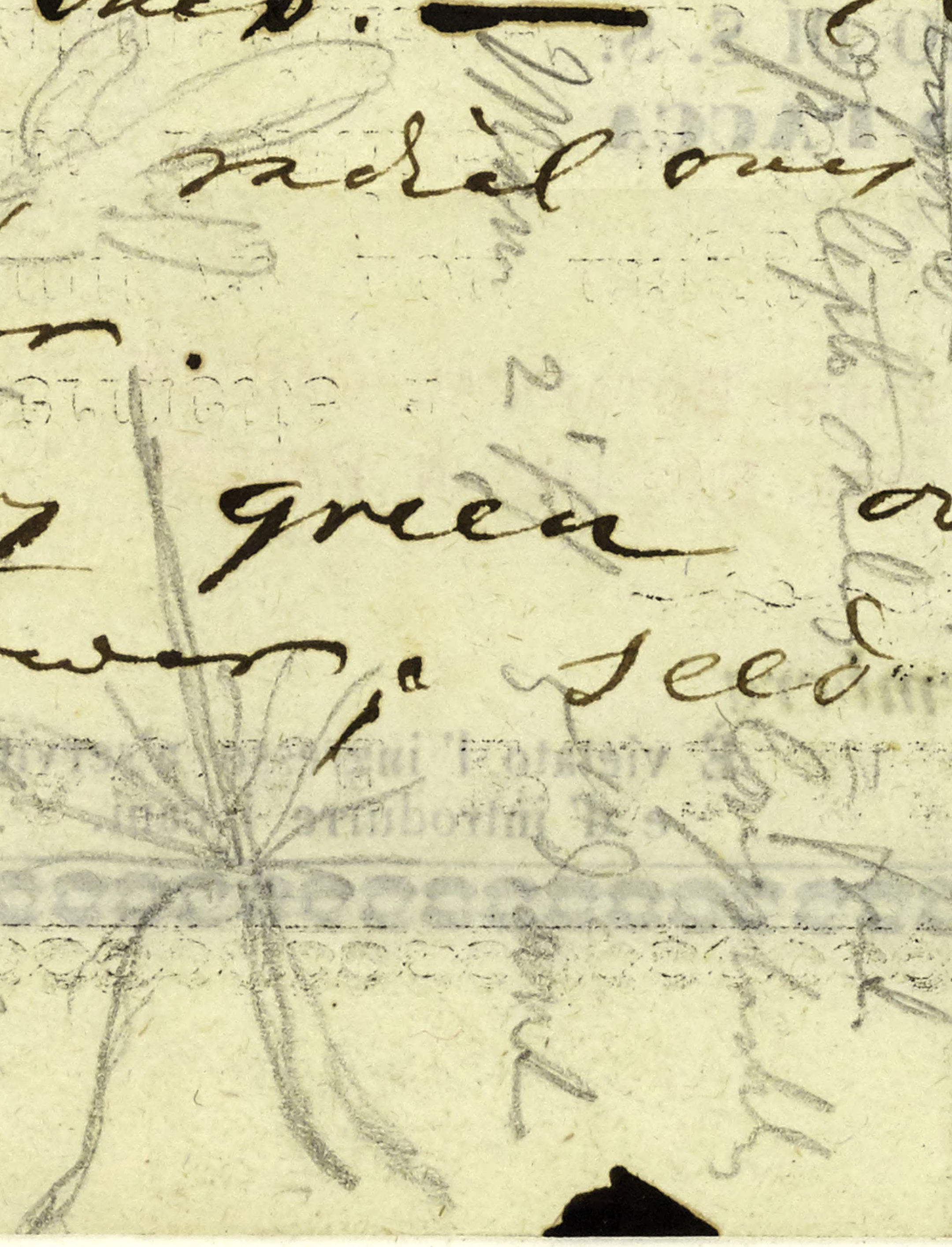
2 feet high, 5 inches diameter, twice branching below the middle



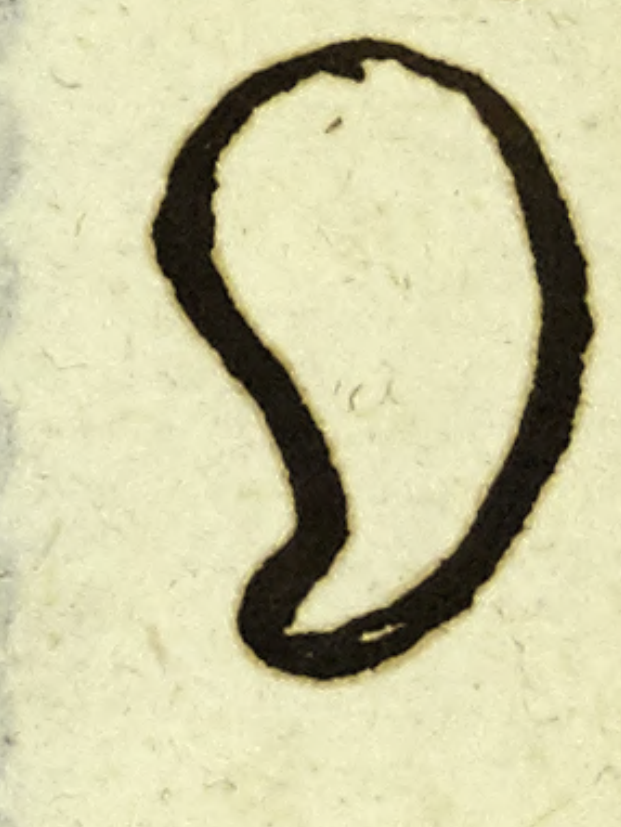


Mamillae nearly 1 inch long broad at base with deep naked groove, scarcely any wool in the axil of the older ones, very little, short wool in the younger ones. — central spine erect stout 1 inch long, radial ones half as long about 8–10 acicular.





Berry green oval, smooth, pulpy, with the attached remnants of the flower; seeds brown, smooth



1202

SAGRI PALAZZI APOSTOLICI

Si permette a l Sig D.r Engelmann e sua comitiva non maggiore di sei persone di visitare l' Appartamento Pontificio al ***Quirinale*** e suoi annessi, dalle **ore** ***nove*** antimeridiane **alle** ***due*** ora avanti l'*Avemaria*, esclusi i giorni festivi.

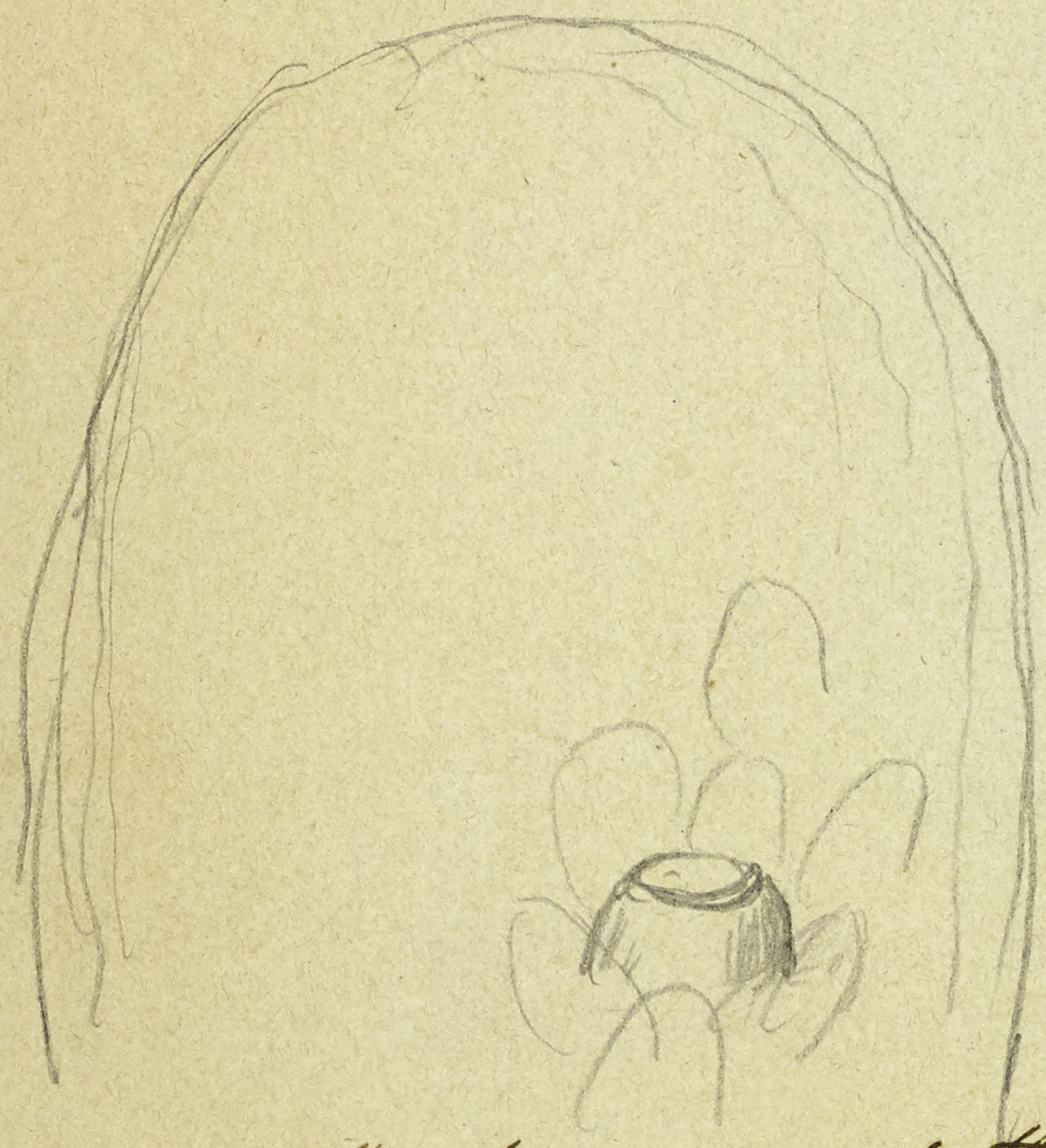
Dal Vaticano questo di 17 Aprile 1868

IL MAGGIORDOMO DI S. S.
BARTOLOMEO PACCA

Rilasciato al Sig. Incaricato di Wurtemberg
GRATIS

È vietato l' ingresso a'servitori in livrea, e d' introdurre i cani.

Mamillaria erecta Lem. at Pfersdorf's
Paris April 2d 1869



very near M. aulacothele
and M. Clava

2½ inches diamt
1½ feet high
cylindric.
Unripe fruit
with broad umbilicus
2 inches below top

was the flower of this Coryphantha terminal
most probably, but the rapid growth ?
of the head has pushed it aside
and left it below. –

The topmost axillae are not
very woolly, nothing like a
woolly head, cephalium.

Mamillae very short

1203

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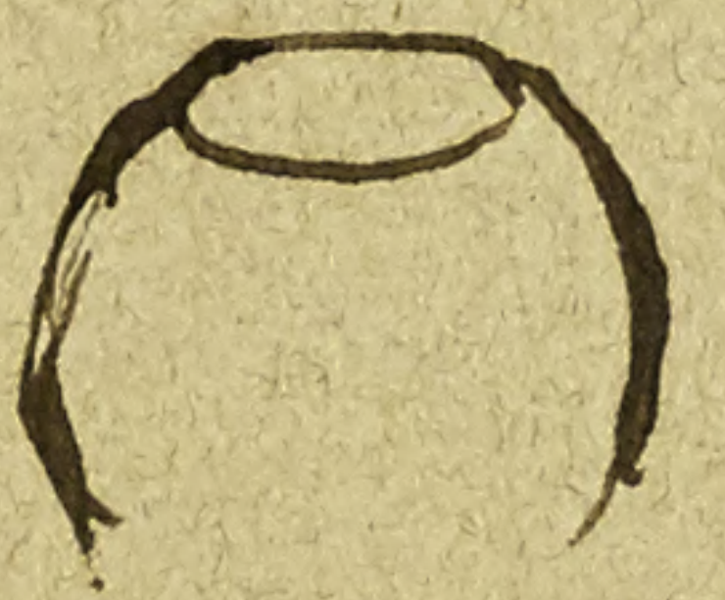
Salicornioides aphylla – Rhipsalis
stricta

Var 2 acanthostephes
(pycnacantha)
elephantides
sulcolanata fide Weber

Hort ~~Guedeney, Vesinet~~ Pfersdorff, 5/4 69

Mamillaria (Coryphantha) erecta Lem.

Cylindrical, evidently near M. aulacothele & M Clava)
1½ feet high, 2½ inches in diam. with very short
mamillae, bears a fruit now, not yet
fully grown, 2 inches from top (Does
the top grow so fast, as to leave the fruit
so far below?.)



vertex scarcely wooly;

1204

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Hort Cels March 18th 1869

1205

Mamillaria sulcolanata (yellow flow.) is the same as M. elephantidens (rose-flow.) – middle forms in colour of flowers are not rare –

Buds in abundance from the tip of tubercles, in the uppermost part of the groove – (not at its base!) tubercles very short and broad.

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Ech. Gerardii (coll. Labouret)

Weber misit Canada (Pueblo - [illegible])

& Uxtapan Plateau

spines ~~[illegible]~~ [illegible] not ribbed

~~[illegible] [illegible] [illegible]~~

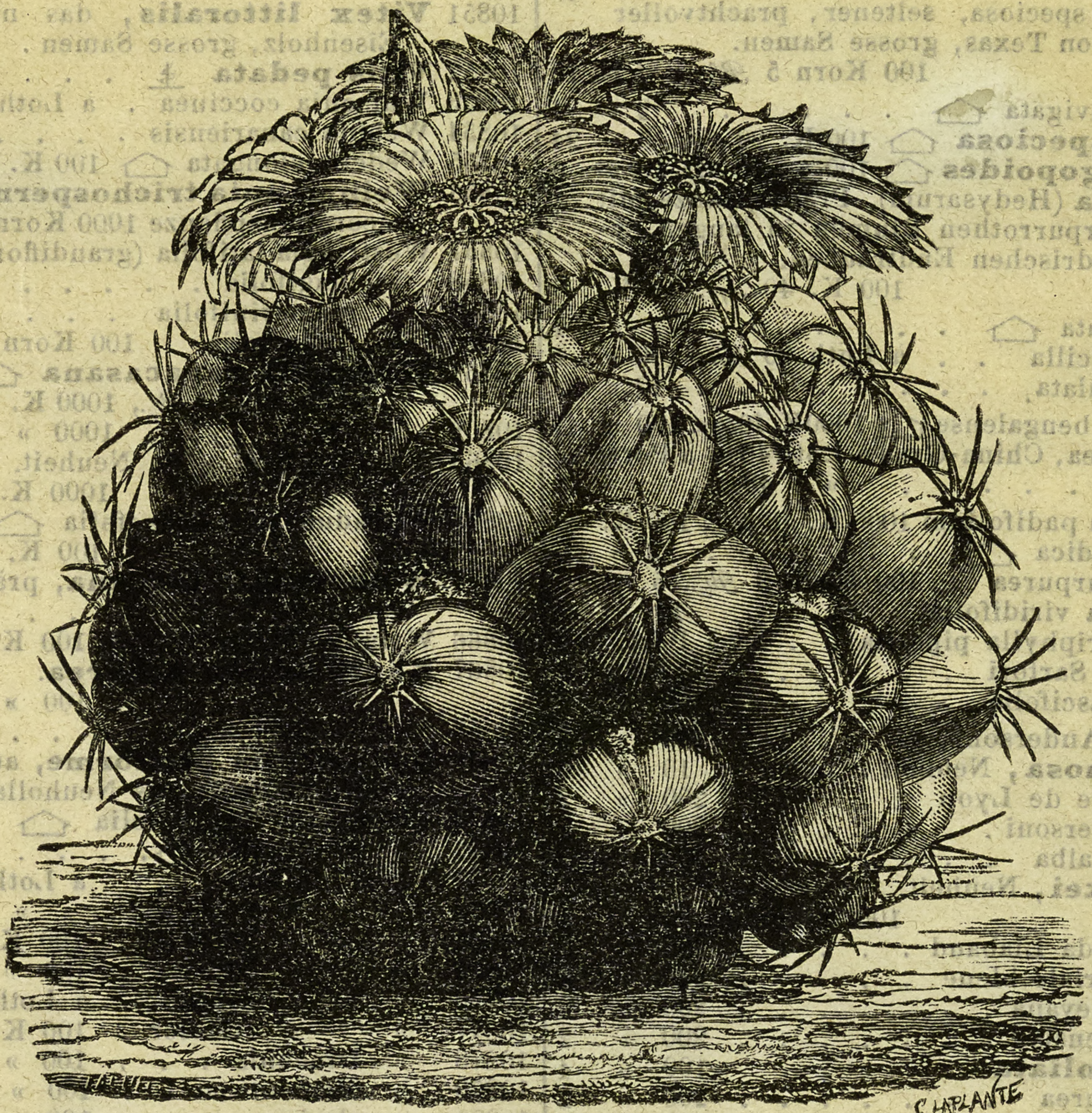
~~[illegible]~~ ~~[illegible] [illegible] [illegible]~~

~~[illegible] [illegible] [illegible] [illegible]~~

~~[illegible] [illegible] [illegible] [illegible]~~

~~[illegible] [illegible] [illegible] [illegible]~~

Quantités: 1 *Pfd.* = ½ *Kilo;* 1 *Loth* = $16\frac{2}{3}$ *gr.; Korn (K.) = graine.*



Mammillaria.

No.			Sgr.
10940	Aloe semimargaritifera	100 K. 15 Sgr., 20 K.	4
10941	» setosa	100 » — » 10 »	3
10942	» succotrina . .	100 » — » 10 »	5
10943	» subnigricans. .	100 » 15 » 20 »	4
10944	» translucens . .	100 » 10 » 20 »	3
10945	» trigona (Gasteria)	10 »	5
10946	» tuberculata . .	100 K. 20 Sgr., 20 »	5
10947	» virens	100 » 20 » 10 »	3
10948	» viscosa. . . .	100 » 30 » 10 »	4
10949	» viele Sorten gem.	100 » 8 » 20 »	3
10950	» Alle 34 Species für 3 Rℓ.		
10951	Bonapartea gracilis	5 »	10
10952	» juncea	100 K. 10 Sgr., 20 »	3
10953	» » filifera . .	100 » 40 » 10 »	5
10954	Bulbine asphodeloïdes	100 » 8 » 25 »	3
10955	» frutescens . . .	100 » 8 » 25 »	3
10956	» semibarbata . .	1000 » 20 » 100 »	4
10957	Cacalia Kleinii . .	100 » 8 » 25 »	3
10958	Cactus Aporocactus flagelliformis .	20 »	5
10959	» Cereus **acanthocarpus,** neu aus Cuba	100 K. 5 Rℓ., 5 K.	10
10960	» » acutangulus	20 »	3
10961	» » Bonplandi	20 »	3
10962	» » **Candelaber,** neu, Mexico.	100 K. 5 Rℓ., 5 »	10
10963	» » eriophorus	20 »	3
10964	» » grandiflorus.	20 »	6
10965	» » » major. . .	20 »	8
10966	» » Macdonaldi	20 »	3
10967	» » Mallisoni	20 »	8
10968	» » » roseus . . .	20 »	8
10969	» » Martini	20 »	8
10970	» » peruvianus	20 »	6
10971	» » » monstrosus . .	20 »	5
10972	» » platygonus	20 »	4
10973	» » pugioniformis	10 »	6
10974	» » species	20 »	8
10975	» » speciosissimus	20 »	4
10976	» » subrepandus.	20 »	3
10977	» » tetragonus	20 »	3
10978	» » **Tinei**.	20 »	6
10979	» » tortuosus	20 »	3
10980	» » triangularis	20 »	3
10981	» » validus	20 »	3
10982	Cactus Cleistocactus Baumanni . .	20 K.	3
10983	» » colubrinus.	20 »	3
10984	» » » flavispinus	20 »	3
10985	» Disisocactus biformis	10 »	4
10986	» Echinocactus **Ceratitis.**	100 Korn 5 Rℓ., 5 »	10
10987	» » **cornigerus**	10 »	5
10988	» » corynodes	10 »	4
10989	» » gibbosus.	20 »	5
10990	» » » varietas	20 »	5
10991	» » Linki	20 »	3
10992	» » mammulosus	20 »	3
10993	» » Ottonis	20 »	3
10994	» » setispinus Cachetianus .	20 »	5
10995	» » » tenuissimus . . .	20 »	5
10996	» » spec. Chili (Sandillon) .	5 »	10
10997	» » » » (Santiago) . .	5 »	10
10998	» » » Mendoza.	5 »	10
10999	» » » Tehuacan	10 »	5
11000	» » submammulosus	20 »	4
11001	» » **Visnaga**	10 »	8
11002	» Echinocereus candicans . . .	20 »	3
11003	» » cinerascens	20 »	3
11004	» » » v. crassior . . .	20 »	5
11005	» » Ehrenbergi.	20 »	3
11006	» » pentalophus	20 »	5
11007	» Echinopsis Decaisneana . . .	20 »	3
11008	» » Eyriesii	20 »	3
11009	» » multiplex	20 »	3
11010	» » oxygona.	20 »	3
11011	» » » Rohlandi.	20 »	3
11012	» » Schellhasi	20 »	3
11013	» » tubiflora	20 »	3
11014	» » turbinata	20 »	3
11015	» » Zuccariniana	20 »	3
11016	» » » Rohlandi	20 »	5
11017	» Malacocarpus Couranti . . .	20 »	3
11018	» » erinaceus	20 »	3
11019	» » Sellowianus	10 »	3
11020	» Mammillaria angularis . . .	20 »	3
11021	» » angularis fulvescens . .	20 »	3
11022	» » caput Medusae	20 »	5
11023	» » centricirrha	20 »	5
11024	» » chrysacantha	20 »	5

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Prix: 8 Sgr. = 1 Franc; 1 Rl. = 30 Sgr. = 3 Fr. 75 C.

No.		Sgr.
10807	Ungnadia speciosa, seltener, prachtvoller Baum von Texas, grosse Samen. 100 Korn 5 Rl.. 5 K.	10
10808	Unona laevigata ⌂ . . . . 2 »	4
10809	**Urania speciosa** ⌂ 100 K. 20 Rl., 3 »	24
10810	Uraria **lagopoides** ⌂ 100 » 40 Sgr., 10 »	6
10811	» **picta** (Hedysarum), Prachtpflanze mit purpurrothen Blumen in langen cylindrischen Endtrauben. 100 K. 40 Sgr., 10 K.	6
10812	Urena lobata ⌂ . . . . 5 »	4
10813	Urginea Scilla . . à Loth 20 Sgr., 100 »	4
10814	» undulata . . . . 10 »	2
10815	Urostigma bengalense ⌂ 1000K. 40 Sgr., 100 »	5
10816	Urtica nivea, China-Gras à Loth 40 » à Port.	3
10817	» utilis . . . . . . » 40 » »	3
10818	Vaccinium padifolium 1000 K. 40 Sgr., 100 K.	6
10819	Valeria indica ⌂ . . . . 3 »	6
10820	Vallota purpurea . 100 Korn 3 Rl., 5 »	5
10821	Veltheimia viridifolia . . . . . . 10 »	3
10822	Verbena triphylla piperita . . . . à Port.	4
10823	Verbesina Sartori . . . . 50 K.	4
10824	» verbascifolia . . . . 50 »	4
10825	Veronica Andersoni . . . . 200 »	3
10826	» **formosa**, Neuheit . . . . . 10 »	4
10827	» Gloire de Lyon . . . . . . 200 »	3
10828	» Hendersoni . . . . 200 »	2
10829	» » alba . . . . 200 »	2
10830	» **Hulkei**, Neuheit. 100 K. 15 Sgr., 20 »	4
10831	» hybrida Liabaud . . . . . . 200 »	2
10832	» Impériale bleue . . . . . . 200 »	2
10833	» Lindleyana . . . . 200 »	2
10834	» meldensis . . . . 200 »	2
10835	» **perfoliata** . . . . 100 »	4
10836	» purpurea . . . . 200 »	2
10837	» salicifolia . . . . 200 »	2
10838	» speciosa . . . . 200 »	2
10839	» » coccinea . . . . 200 »	3
10840	» Verschaffelti . . . . 200 »	2
10841	» viele Sorten gemischt. à Loth 40 Sgr., à Port.	4
	Viburnum, siehe unter Laubhölzern.	
10842	Viminaria denudata à Loth 20 Sgr., 100 »	3
10843	» Preissi . . . . . » 30 » 100 »	3
10844	Vinca rosea . . . . . » 15 » 100 »	2
10845	» » fl. albo . » 15 » 100 »	2
10846	» » alba pura . » 15 » 100 »	2
10847	» » » oculata lutea, neu 25 »	4
10848	Virgilia capensis . à Loth 35 Sgr., 10 »	2
10849	**Visenia velutina** ⌂ 100K. 30 » 10 »	4
10850	Visnea Mocanera . . . . 5 »	4
10851	**Vitex littoralis**, das neuseeländische Eisenholz, grosse Samen . . . . 10 K.	8
10852	**Vitis pedata** ♄ . . . . 5 »	4
10853	Watsonia coccinea . à Loth 30 Sgr., 50 »	3
10854	Webbia canariensis . . . . 100 K.	3
10855	Wedelia elongata ⌂ 100 K. 40 Sgr., 10 »	5
10856	**Weinmannia trichosperma**, prächtige Decorationspflanze 1000 Korn 40 Sgr., 50 K.	3
10857	Westringia latifolia (grandiflora) . . 25 »	3
10858	» longifolia . . . . 25 »	2
10859	» rosmarinifolia . . . . 50 »	4
10860	» rubiaefolia . 100 Korn 15 Sgr., 20 »	4
10861	**Wigandia caracasana** ⌂. à Loth 2½ Rl., 1000 K. 5 » 500 »	3
10862	» urens ⌂ . . 1000 » 6 » 400 »	3
10863	» **Vigieri** ⌂, Neuheit. 1000 K. 8 » 200 »	3
10864	Wissadula periplocaefolia ⌂ 100 K. 25 » 10 »	3
10865	**Witheringia Gayana**, prächt. Solanacea von Chili . . . . 10 K.	4
10866	Wrightia tinctoria ⌂ 100 K. 5 Sgr., 50 »	3
10867	**Xanthorhoea arborea**. 100 » 5 Rl., 5 »	10
10868	Xanthorrhoea spec. . . . . 5 »	10
10869	**Xylomelum piriforme**, auffallende seltene Proteacee aus Neuholland . . 3 K.	12
10870	Xylophylla angustifolia ⌂ . . . . 25 »	4
10871	» arbuscula ⌂. . . . . 25 »	5
10872	Yucca aloifolia . . à Loth 10 Sgr., 100 »	4
10873	» » foliis var. » 30 » 50 »	5
10874	» » gigantea . 100 K. 40 » 10 »	5
10875	» » rosea . . 100 » 20 » 10 »	3
10876	» » rubra . . à Loth 45 » 50 »	5
10877	» » tricolor . 100 K. 25 » 10 »	3
10878	» Draconis . . . 100 » 30 » 10 »	4
10879	» filamentosa . . 100 » 15 » 20 »	4
10880	» gloriosa . . . 100 » 25 » 10 »	3
10881	Zamia spiralis, frisch, vollkommene Samen, erwartet . . . . 1 K.	10
10882	Zanthoxylon brachyanthum . . . . 20 »	4
10883	» clava Herculis . . . . 20 »	4
10884	» spec. nova Australiae . . . . . 10 »	4
10885	Zephyranthes Atamasco . . . . . . 50 »	4
10886	» carinata . . . . 50 »	4
10887	» ochroleuca . . . . 50 »	3
10888	» rosea . . . . 25 »	4
10889	» striata rosea . . . . 25 »	4
10890	» tubispatha . . . . 10 »	3
10891	Zichya Latrobeana . . . . 5 »	3
10892	» Molly, grosse scharlachrothe Blumen in Trauben. . . . . 5 K.	8
10893	Zieria Smithi . . . . 50 »	4
10894	Zygophyllum Morgsana 1000 K. 40 Sgr., 50 »	3

Succulenten. PLANTES GRASSES.

No.		Sgr.
10895	Aeonium cuneatum . . . . 200 K.	3
10896	» decorum . . . . 100 »	3
10897	» giganteum . . . . 100 »	3
10898	» molle . . . . 100 »	3
10899	Agave americana . à Loth 10 Sgr., 50 »	4
10900	» densiflora . . . . 10 »	5
10901	» geminiflora (Bonapartea juncea) 100 K. 10 Sgr., 50 »	6
10902	» » filifera . . . 100 » 40 » 10 »	5
10903	» lurida longifolia . . . . . . 10 »	6
10904	» mexicana. . . 100 K. 15 Sgr., 25 »	4
10905	» micrantha . . . . 10 »	6
10906	» species . . . . 100 K. 12 Sgr., 25 »	4
10907	» vivipara . . . 100 » 8 » 50 »	5
10908	» xalapensis . . . 100 » 25 » 10 »	3
10909	» xylinacantha . . 100 » 40 » 10 »	5
10910	Aichrysum dichotomum . . . . . . 200 »	3
10911	» immaculatum. . . . . 200 »	4
10912	» laxum . . . . 200 »	3
10913	» punctatum. . . . . 200 »	4
10914	» villosum . . . . 200 »	3
10915	Aloe acinacifolia . . 100 K. 15 Sgr., 20 »	4
10916	» angulata . . . . 100 » 15 » 20 »	4
10917	Aloe arborescens . . 100 K. 8 Sgr., 20 K.	3
10918	» attenuata . . . 100 » 12 » 20 »	3
10919	» denticulata . . . 100 » 12 » 20 »	3
10920	» brachyphylla . . 100 » 20 » 20 »	5
10921	» caesia . . . . . 100 » 8 » 20 »	3
10922	» echinata . . . . 100 » 20 » 20 »	5
10923	» excavata . . . . 10 »	4
10924	» formosa (Gasteria). 100 K. 20 Sgr., 20 »	5
10925	» granata. . . . 100 » 15 » 20 »	4
10926	» hybrida . . . 100 » 20 » 20 »	5
10927	» intermedia . . 100 » 30 » 10 »	4
10928	» latifolia . . . . 10 »	6
10929	» Lingua. . . . 100 K. 12 Sgr., 20 »	3
10930	» linguaeformis . 100 » 12 » 20 »	3
10931	» margaritifera. . 100 » 10 » 20 »	3
10932	» mitraeformis. . 100 » 20 » 10 »	3
10933	» nobilis . . . . 100 » 30 » 10 »	4
10934	» » nigricans . 100 » 12 » 20 »	3
10935	» plicata . . . — » — » 10 »	5
10936	» prolifera . . . 100 » — » 10 »	5
10937	» rigida . . . . 100 » 10 » 20 »	3
10938	» Saponaria. . . 100 » 12 » 20 »	3
10939	» semiglabrata. . 100 » 15 » 20 »	4

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Hort Seitz. Prag July 10 1869

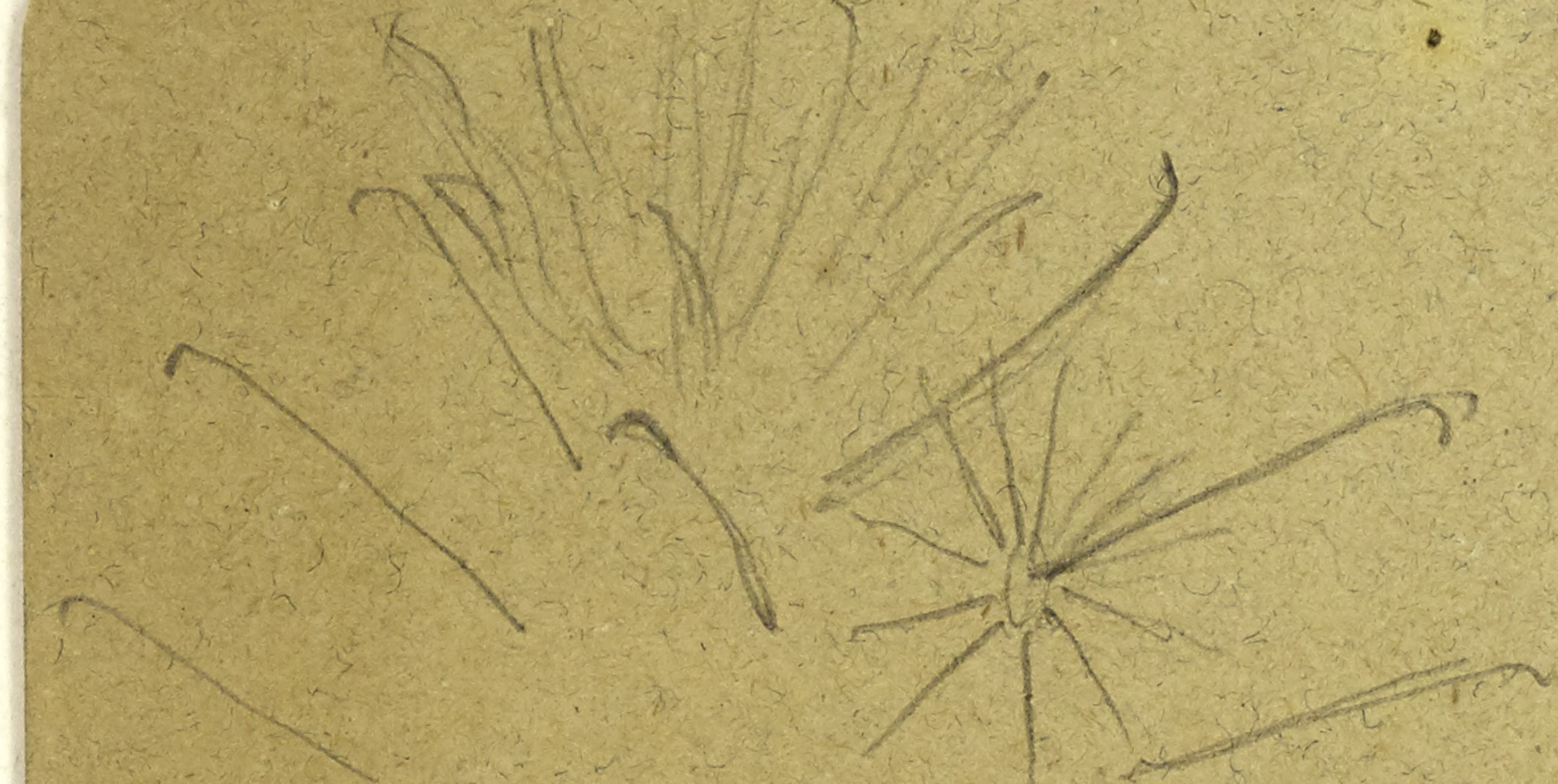
Mam. rhaphidacantha ~~the~~ (normally one gland)

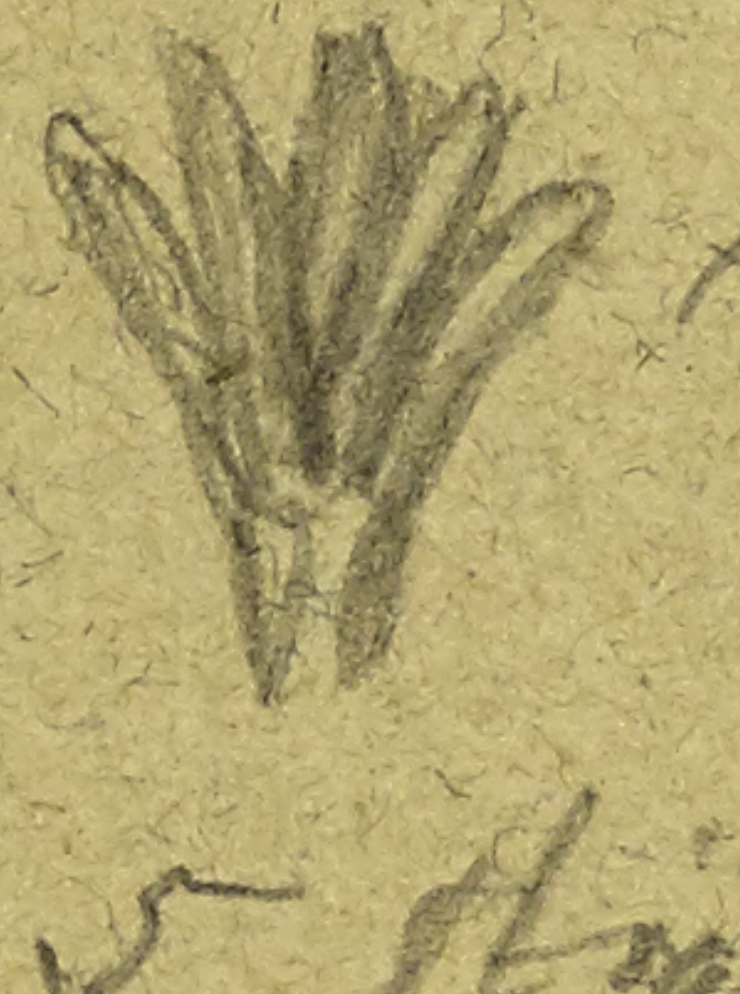
sulcoglandulifera, Jacobi (usually with 2 glands)

Stipitata ~~Haage.~~

Cylind.

Glandulifer plants; gr

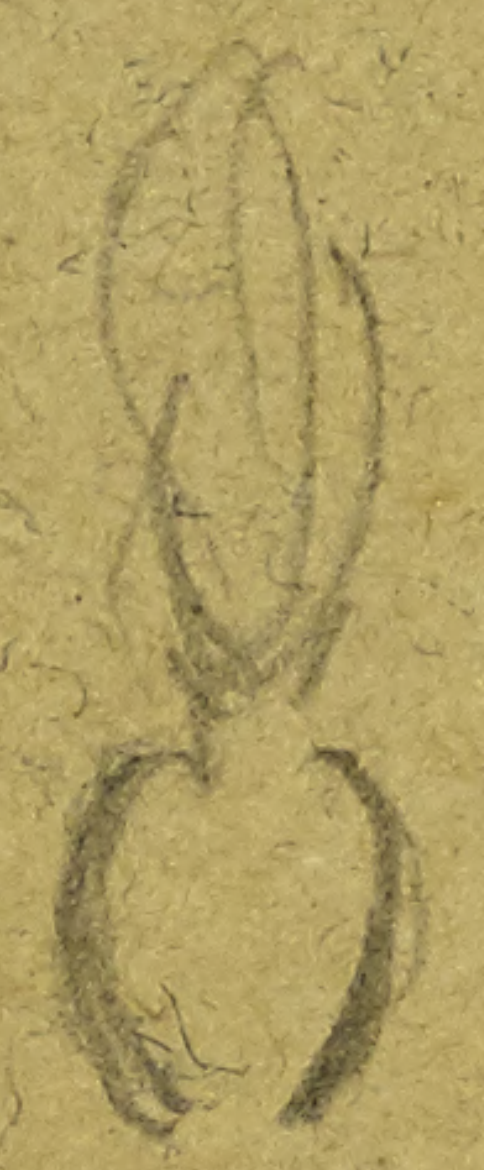




5 stigmata yellowish

first spines on young plant abt 6-8 short 2 l. long red glands and surrounded by little white wool; even in very young & seedling I find grooves or rather impressions in the axil with a little wool, a few hair – In these the short spines 3/4 l. long & white are lanceolate and asperate.

areolae oval



fruit small reddish

ripens in 2-2½ months

1207

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Mamillaria conoidea
semina nigra crustacea
tuberculata = Anhalonium
though a true Coryphantha
E. Weber, Paris
Apri 1869

1208

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[illegible]

[illegible]

[illegible] Ungenau [illegible]

[illegible] = cinerascens ?

Unter den [illegible] Echin[illegible] [illegible]

C. setispinus [illegible]

alte Namen / Synonyme —

neue / Namen

[illegible]

Mamillaria conoidea has black crustaceous seeds, covered with warts,

fruit round, smooth, whitish or yellowish green

Paris 1868

Mamillaria conoidea
semina nigra crustacea
tuberculata = Anhalonium
though a true Coryphantha
D. Weber, Paris
April 1869

1208

1209

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a gift for which it returns its grateful acknowledgment.

S. F. Baird
Secretary Smithsonian Institution.

Smithsonian Institution,
Washington City, U. S. A., Dec. 3, 1883.

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Mamillaria chlorostigma Weber
= M. Pottsii fide Poselger
var. semine aspero fide Weber
[an potius semina scrobiculata
et = M. tuberculosa Engelm]

1210

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MISSOURI BOTANICAL GARDEN

[illegible]

Samen [illegible] [illegible] jed [illegible]

der [illegible] der Samenform [illegible]

[illegible] [illegible] [illegible] [illegible]

[illegible]

Namen der Autorität [illegible] [illegible]

Varietäten [illegible] bestimmt durch [illegible]

in [illegible]

[illegible]

Hort Leitz, Prag July 1869

Mam. dolicoglandulifera

1211

flower 1 inch long 10 l. diam.

sepals 18 externally redbrown, lanceolate

petals 12-13 pale dirty yellow, lanceolate acute

reddish short stamens

4-5 greenish yellow stigmata

Nectarial cavity extremely short, only ½ lin. long

0 1 2 3 4 5 6 7 8 9 10
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Coll. of dead Cacti, Munich. Hb reg.
Nov 1857

1212

Mam. acuata Martius
Mexico Karwinski
seems M. cornigera or polyedra, ,

(no where described or mentioned

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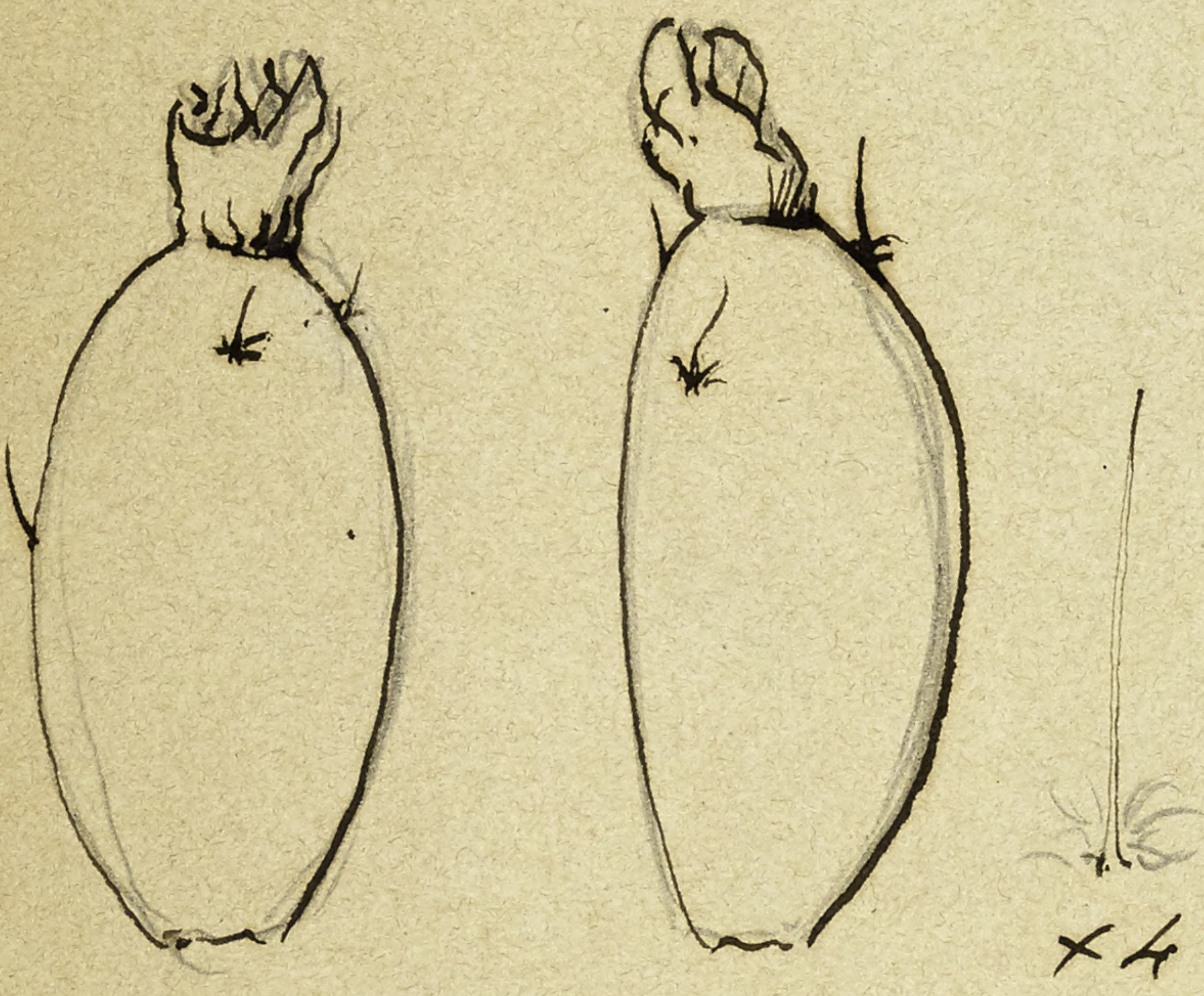
MISSOURI
BOTANICAL
GARDEN

		"	"	from Mc Call for Hall	5	00
		"	"	for botanical apparati to Dr Engelmann	61	50
1843 Octo	10	"	"	from Medical Society of Mo 1147 7235	74	00

Hort Pfersdorff, Paris
March 10 1869

Mamillaria acanthostephes (Coryphantha)
(= M. pycnacantha fide Weber)

166



Stout hemispherical plant

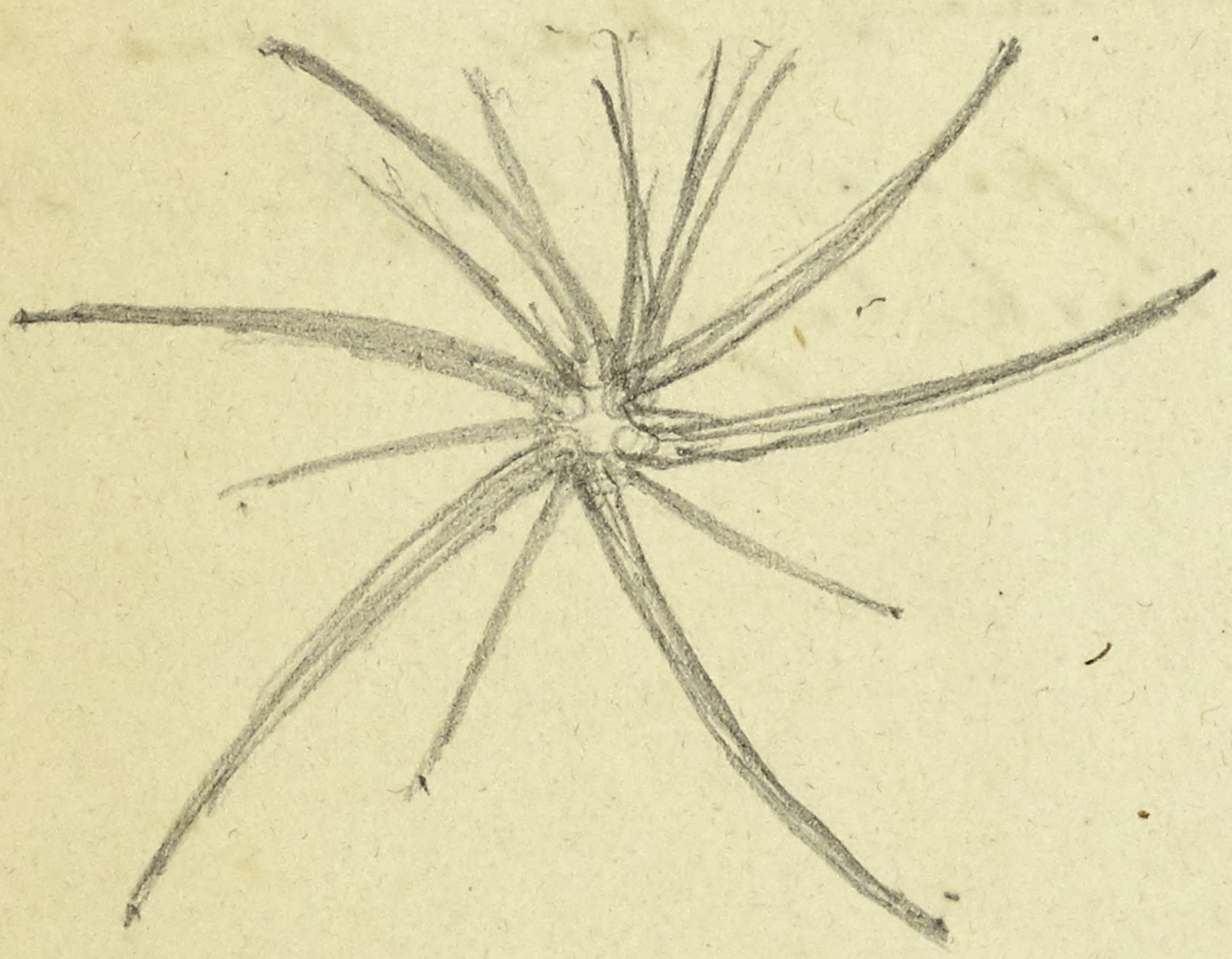
berries deeply imbedded in long white wool, and between the topmost mamillae oval; 30mm 14–15 lines long half as much in diameter bearing the remnants of the flower; green, pale below, where imbedded

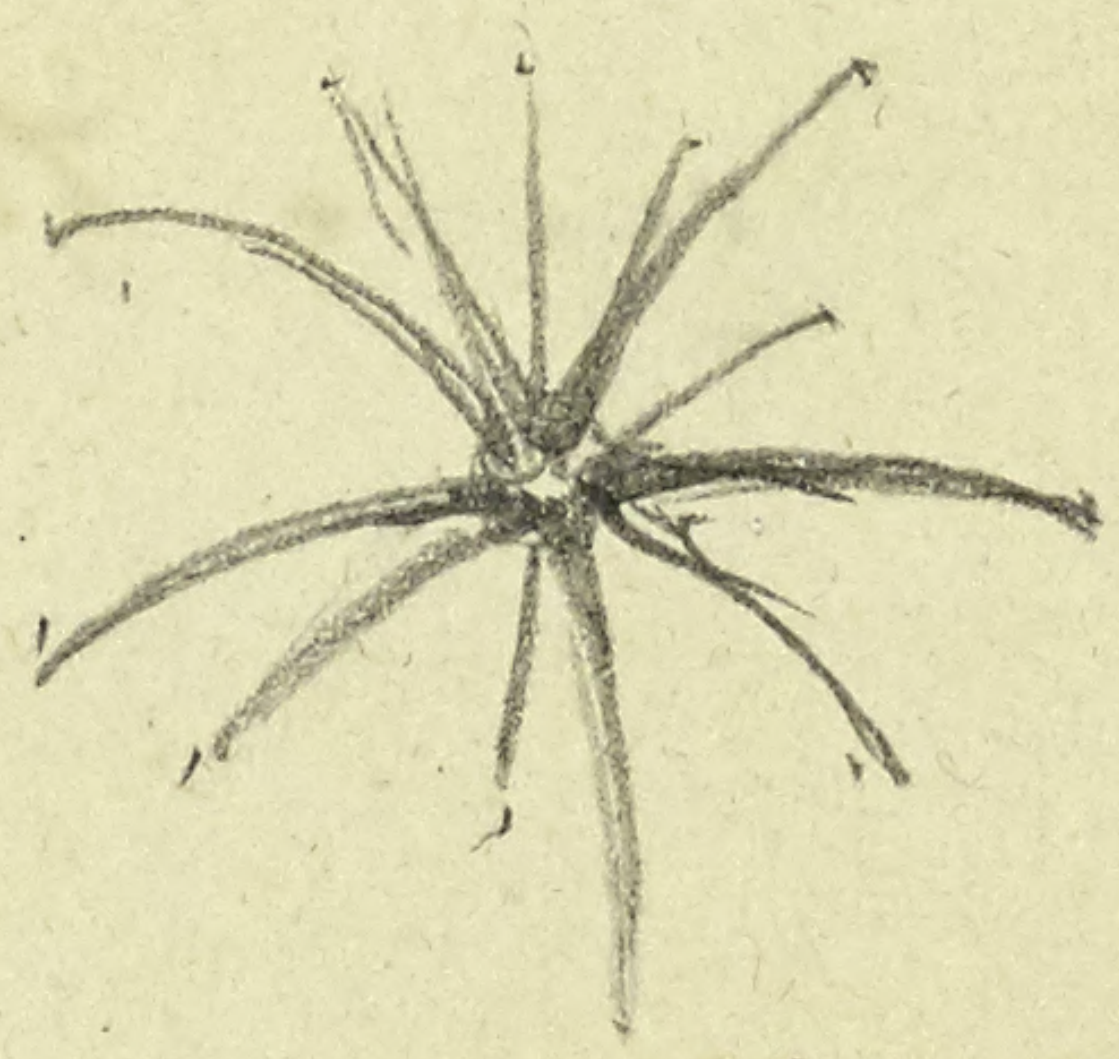
The remarkable feature consists in the few **bristly sepals** on the upper part of the ovary; they are 3 in number on each of the two fruits before me, and form whitish very slender bristles, 3 – 5 mm. long, with some white wool in their axils

Seeds brown, smooth

1213

306 Abondant sur les pelouses entre
Tacubaya et Santa Fé, vallée de
Mexico, E. Bourgeau 23 Juin 1865
Exped. Française; Hb Mus. Paris, Apr 1869
Mamillaria (Coryphantha) pycnacantha





small spined form

1214

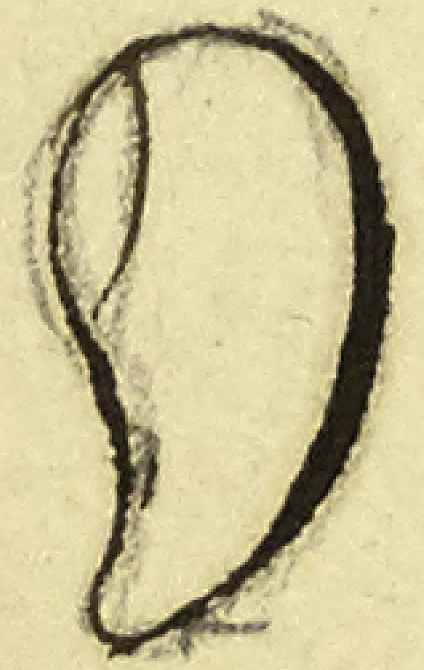
globosa simplex,
tuberculis brevibus ovatis crassis,
supra sulcatis, lanatis (in sulco)
areolis nascentibus longe dense lanosis
~~demum~~ mox nudatis; aculeis fuscis
subtus paulo pallidioribus
√ fere 6 centralibus robustis recurvatis
exterioribus
pollicaribus, radialibus 8-10
brevioribus, tenuioribus magis rectis,
saepius versus apicem areolae congestis.

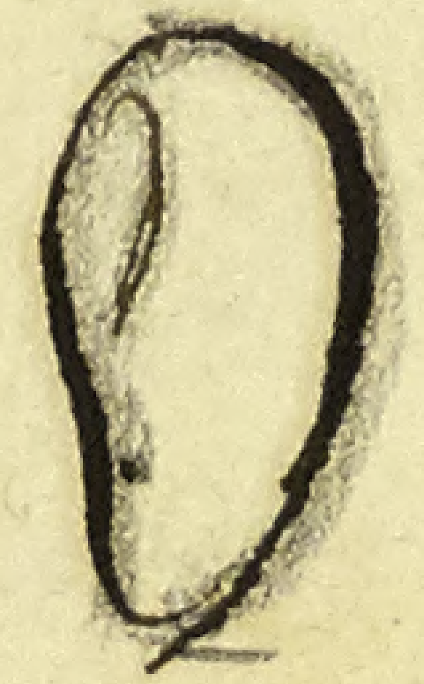
fere
floribus centralibus e densissima
lana ortis, magnis, flavis; phyllis
exterioribus linearilanceolatis, interioribus petaloideis ovato-lanceolatis
acuminatis; stylo flavo 7-8 partito
(stigm. 7-8)

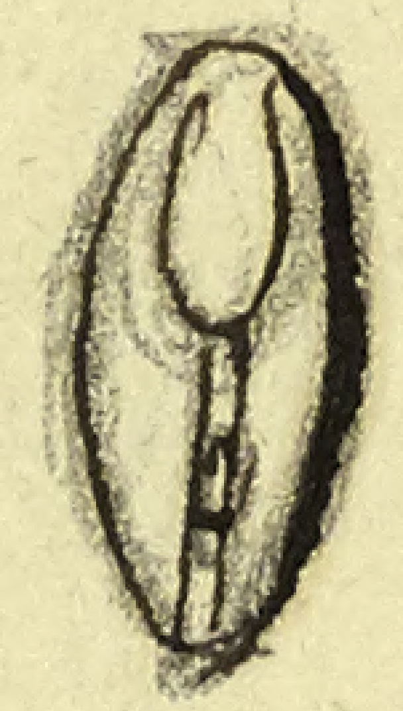
specimens have a diameter of 4 inches; flowers yellow, 2 or 2 1/2 inches long, same diameter.

One of the specimens has remarkably short and weak spines, larger ones not more than 1/2 inch long.

2







Frankfurt Febr 1857

Mam. raphidacantha (Jacobi coll)

Seed 0.6 yellowish brown, smooth; album strongly marked, ventral side concave small oblong hilum ventral

1215

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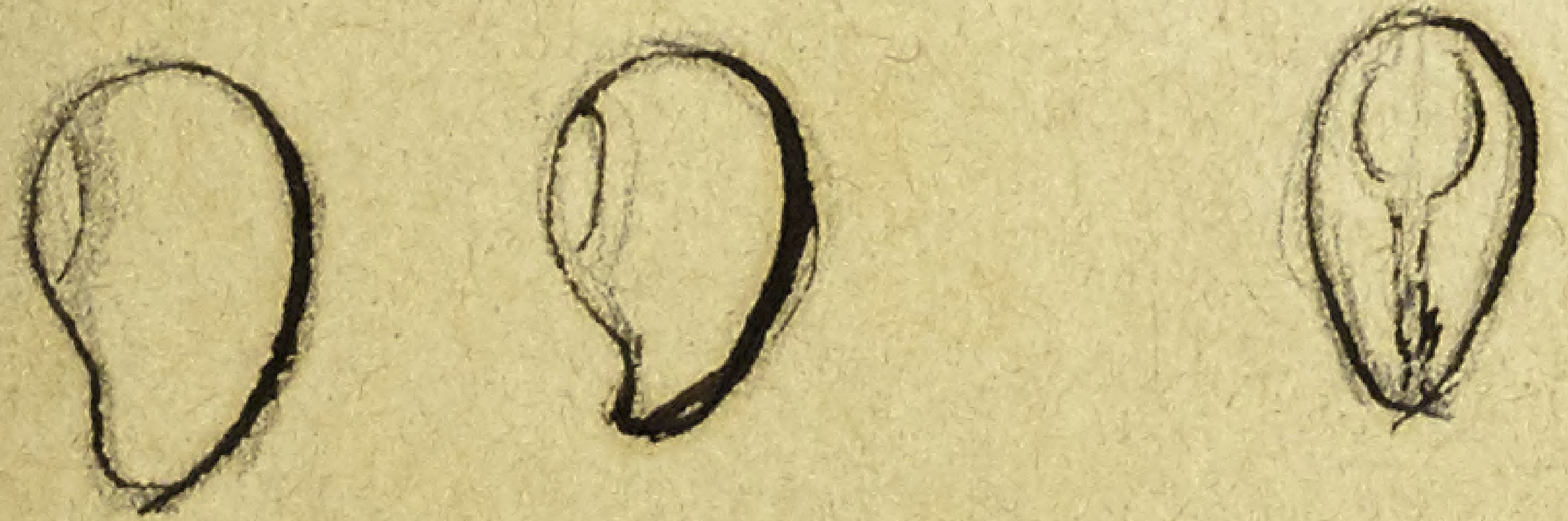
4



1216

Frankfurt Febr. 1857

Mam. sulco glandulifera (Jacobi)

seed 0.5 – 0.6 long, thick, light brown, quite smooth; albumen very visible; ~~testa~~ a concave ~~anteriorily~~ below the albumen; hi
oblong ventral, very small.

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